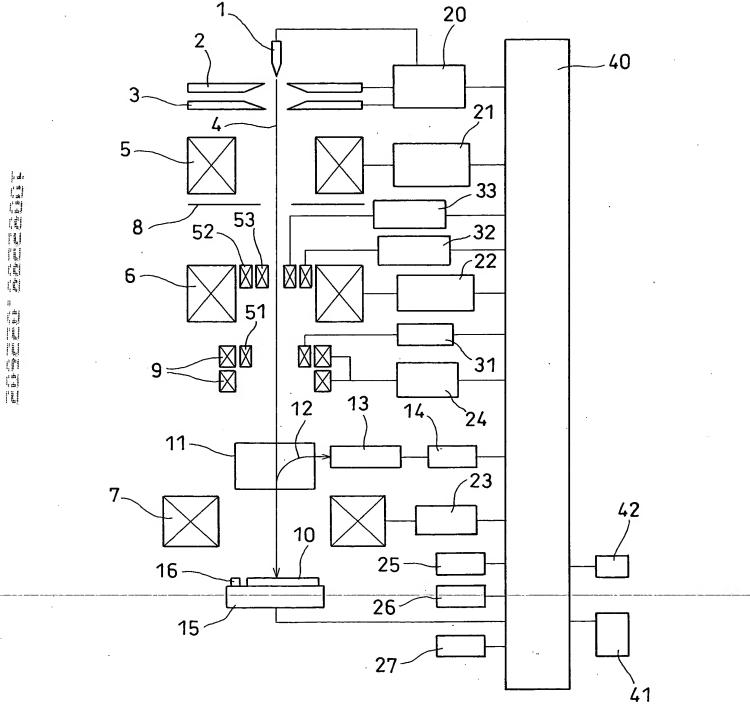
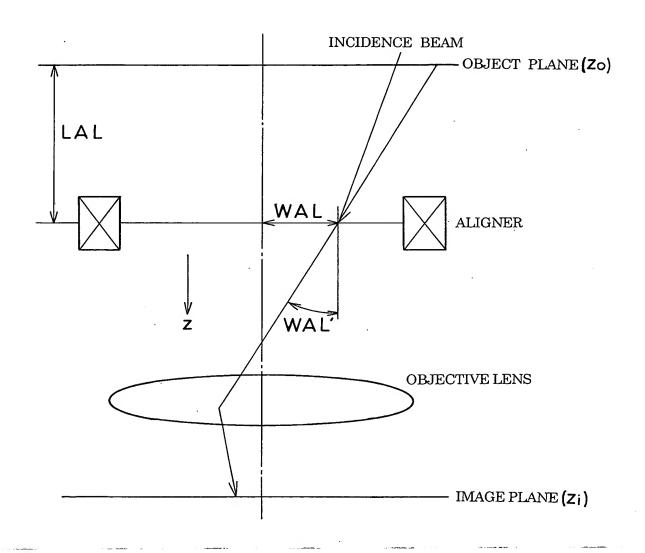
1/13 FIG.1



## 2/13 FIG.2

ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND
CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 1
ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND
CONDITION 1 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 2
A COLUMN TALAM DI GERMANA CONTRACTOR DE PERMANELLE DI CALAMA
ACQUIRE IMAGE BY SETTING CONDITION 1 FOR OBJECTIVE LENS 7 AND
CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 3
ACQUIRE IMAGE BY SETTING CONDITION 2 FOR OBJECTIVE LENS 7 AND
CONDITION 2 FOR ALIGNER 51 AND MEMORIZE AS IMAGE 4
V
DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 1
AND 2 AND REGISTER AS PARALLAX 1
DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 3
AND 4 AND REGISTER AS PARALLAX 2
V
CALCULATE OPTIMUM VALUE OF ALIGNER 51 BASED ON PARALLAX 1
AND PARALLAX 2
SET OPTIMUM VALUE OF ALIGNER 51

3/13 FIG.3



#### 4/13 FIG.4

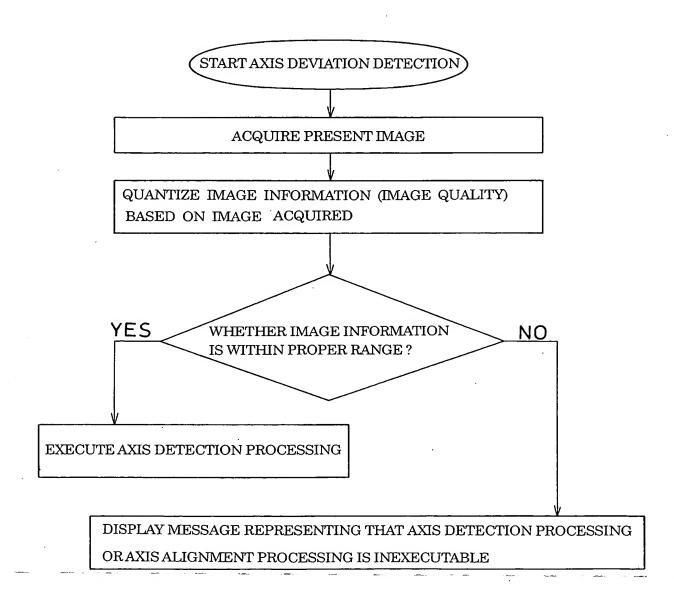
ACQUIRE IMAGE WITH ASTIGMATISM CORRECTION SIGNAL 1 AND ALIGNER CONDITION 1 AND MEMORIZE AS IMAGE 1 ACQUIRE IMAGE WITH ASTIGMATISM CORRECTION SIGNAL 2 AND ALIGNER CONDITION 1 AND MEMORIZE AS IMAGE 2 ACQUIRE IMAGE WITH ASTIGMATISM CORRECTION SIGNAL 1 AND ALIGNER CONDITION 2 AND MEMORIZE AS IMAGE 3 ACQUIRE IMAGE WITH ASTIGMATISM CORRECTION SIGNAL 2 AND ALIGNER CONDITION 2 AND MEMORIZE AS IMAGE 4 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 1 AND 2 AND REGISTER AS PARALLAX 1 DETECT PARALLAX (IMAGE DEVIATION AMOUNT) BETWEEN IMAGES 3 AND 4 AND REGISTER AS PARALLAX 2 CALCULATE OPTIMUM VALUE OF ALIGNER BASED ON PARALLAX 1 AND PARALLAX 2 SET OPTIMUM VALUE OF ALIGNER

AXIS DEVIATION RELATIVE TO OBJECTIVE LENS EXCEED TOLERANCE LEVEL. DO YOU EXECUTE AXIS ALIGNMENT?

Yes

Νo

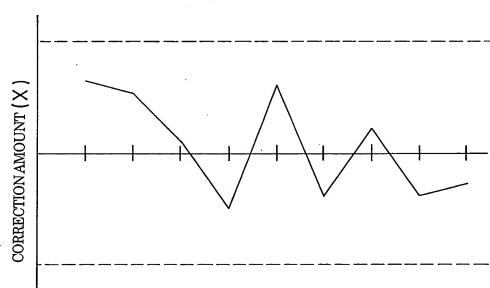
6/13 **FIG.6** 



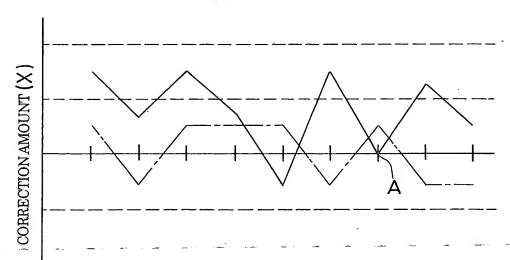
### FIG.7

- ALL	RTURE ALIGNMENT -
• AUI	OMATIC AXIS ALIGNMENT TIMING
O FO	OR EACH OFOR EACH OWHEN PARALLAX EXCEED OUSER NALYSIS POINT WAFER PREDETERMINED VALUE SETTING
• APE	RTURE ALIGNMENT
	RRECTION BASED ON OCORRECTION OF VALUE ONO CORRECTION RALLAX DETECTION PREVIOUSLY DETERMINED
• COR	RECTION AMOUNT GRAPH
ORE	GISTRATION O NO REGISTRATION
• WHE	N AXIS ALIGNMENT IS IMPOSSIBLE
OST	OP OF MEASUREMENT OCONTINUE OCONTINUE AFTER SAMPLE IMAGE REGISTRATION
	TTCH TO CORRECTION OF PREVIOUSLY TERMINED VALUE
- STIG	MA (ASTIGMATISM ?) ALIGNMENT
	•

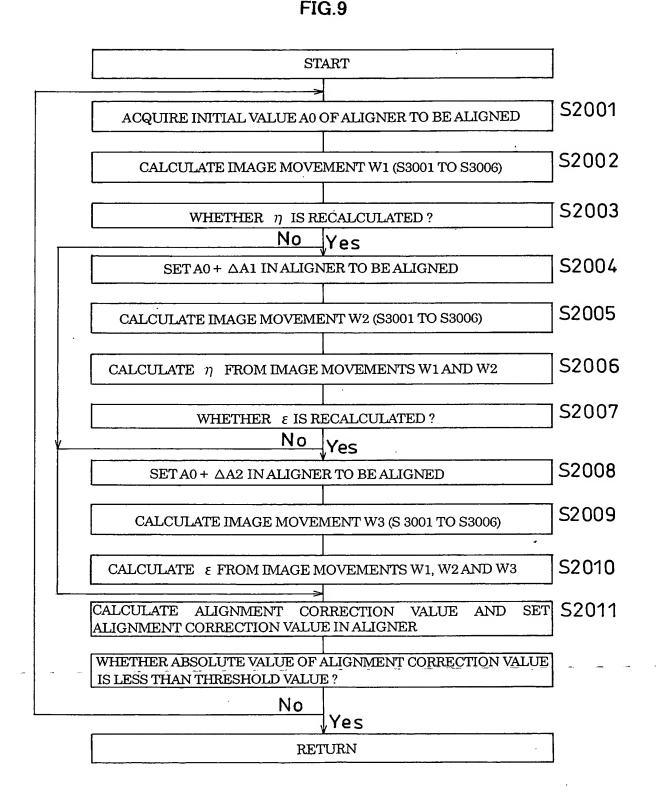




### FIG.8(b)

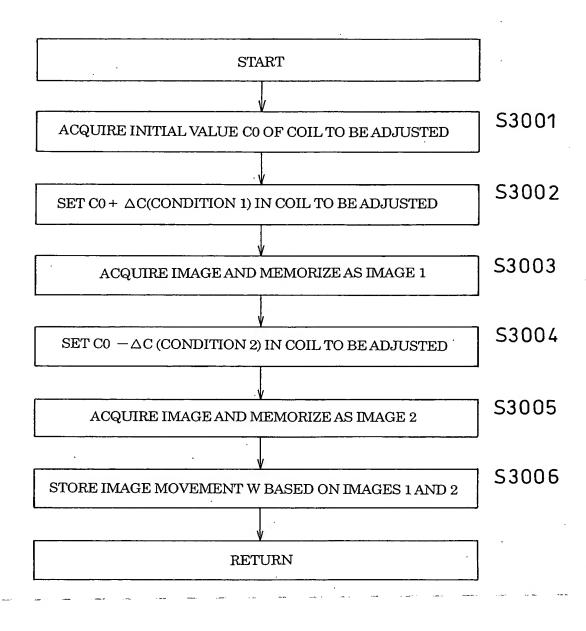


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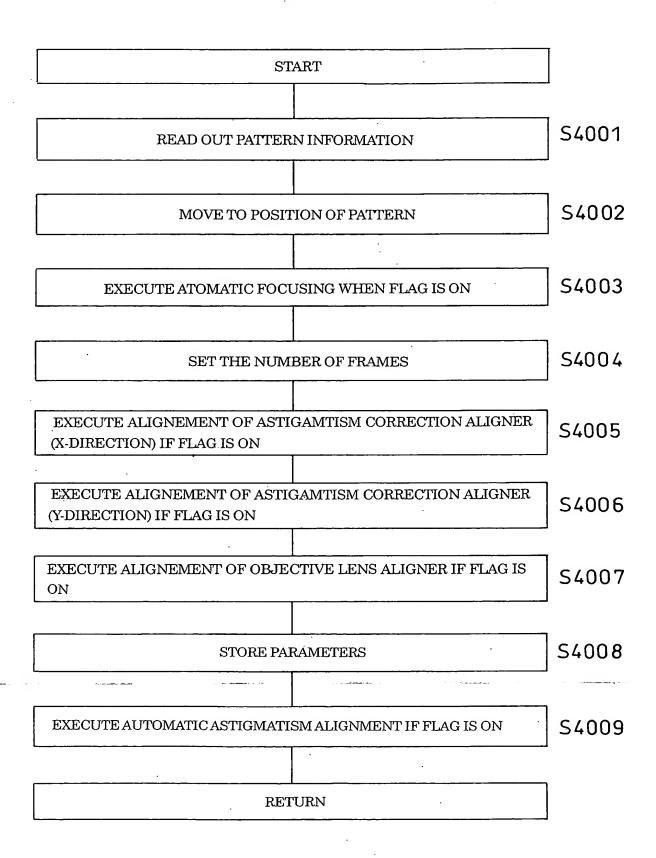


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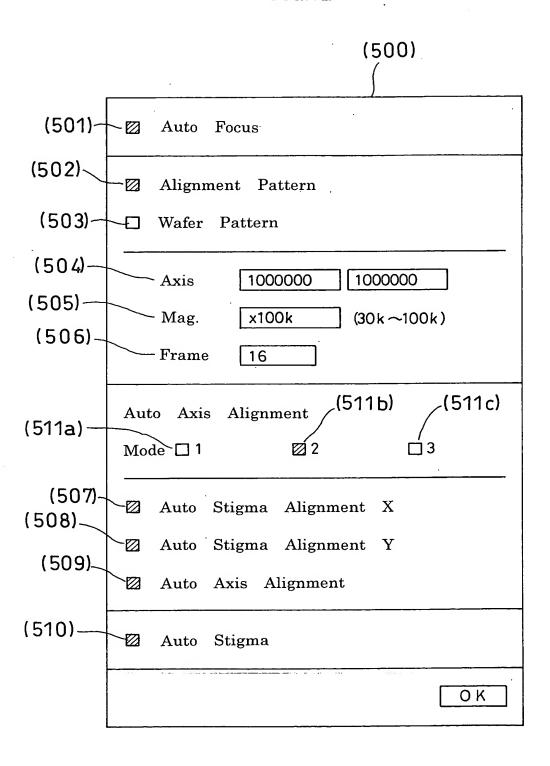
#### **FIG.10**



11/13 FIG:11



12/13 FIG.12



# 13/13 **FIG.13**

